

WHAT IS CLAIMED IS:

1 1. A computer-implemented method of using a paper document to
2 retrieve multimedia information stored in a multimedia document in electronic form, wherein
3 one or more user-selectable identifiers are printed on the paper document, the method
4 comprising:

5 receiving a first signal indicating selection of a first user-selectable identifier
6 from the one or more user-selectable identifiers printed on the paper document;
7 responsive to receiving the first signal, identifying a portion of multimedia
8 information stored by the multimedia document corresponding to the first user-selectable
9 identifier; and
10 outputting the portion of the multimedia information corresponding to the first
user-selectable identifier using an output device.

2 2. The method of claim 1 wherein the first signal comprises information
identifying the output device.

3 3. The method of claim 1 wherein:
4 the first signal comprises information indicating a playback mode for
5 outputting the portion of the multimedia information corresponding to the first user-selectable
6 identifier; and
7 outputting the portion of the multimedia information using the output device
8 comprises outputting the information according to the playback mode.

1 4. The method of claim 1 wherein the one or more user-selectable
2 identifiers include one or more barcodes printed on the paper document.

1 5. The method of claim 1 wherein identifying the portion of multimedia
2 information stored by the multimedia document corresponding to the first user-selectable
3 identifier comprises:

4 determining a first time and a second time corresponding to the first user-
5 selectable identifier; and

6 including a portion of the multimedia information stored by the multimedia
7 document occurring between the first time and the second time in the portion of multimedia
8 information corresponding to the first user-selectable identifier.

1 6. The method of claim 1 wherein identifying the portion of multimedia
2 information stored by the multimedia document corresponding to the first user-selectable
3 identifier comprises:
4 determining a first time corresponding to the first user-selectable identifier;
5 and
6 including a portion of the multimedia information stored by the multimedia
7 document occurring from the first time in the portion of multimedia information
8 corresponding to the first user-selectable identifier.

1 7. The method of claim 1 wherein one or more control codes are printed
2 on the paper document, the method further comprising:
3 receiving a second signal indicating selection of a first control code from the
4 one or more control codes printed on the paper document; and
5 responsive to receiving the second signal, controlling the output of the portion
6 of the multimedia information corresponding to the first user-selectable identifier based upon
7 the control code.

1 8. A method of using a paper document to access multimedia information
2 stored in a multimedia document in electronic form, wherein one or more user-selectable
3 identifiers are printed on the paper document, the method comprising:
4 selecting a first user-selectable identifier from the one or more user-selectable
5 identifiers printed on the paper document;
6 requesting multimedia information corresponding to the first user-selectable
7 identifier; and
8 outputting a portion of the multimedia information stored by the multimedia
9 document corresponding to the first user-selectable identifier using an output device.

1 9. The method of claim 8 wherein:
2 the one or more user-selectable identifiers correspond to one or more barcodes
3 printed on the paper document; and
4 selecting the first user-selectable identifier comprises scanning a first barcode
5 from the one or more barcodes printed on the paper document using a selection device.

1 10. The method of claim 8 wherein:

the first user-selectable identifier is associated with a first time and a second time; and
outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises outputting a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time.

11. The method of claim 8 wherein:
the first user-selectable identifier is associated with a first time; and
outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises outputting a portion of the multimedia information stored by the multimedia document occurring from the first time.

12. The method of claim 8 wherein one or more control codes are printed on the paper document, the method further comprising:
selecting a first control code from the one or more control codes printed on the paper document; and
modifying the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

13. A computer-implemented method of using a paper document to retrieve multimedia information stored electronically in a multimedia document, wherein a first plurality of user-selectable identifiers are printed on the paper document, the method comprising:
receiving a signal indicating selection of a second plurality of user-selectable identifiers from the first plurality of user-selectable identifiers printed on the paper document, wherein the second plurality of user-selectable identifiers is a subset of the first plurality of user-selectable identifiers;
responsive to receiving the first signal, identifying portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers; and
outputting the portions of the multimedia information corresponding to the second plurality of user-selectable identifiers using an output device.

1 14. The method of claim 13 wherein identifying portions of multimedia
2 information stored by the multimedia document corresponding to the second plurality of user-
3 selectable identifiers comprises:

4 for each user-selectable identifier in the second plurality of user-selectable
5 identifiers:

6 determining a first time and a second time corresponding to the user-
7 selectable identifier; and

8 including multimedia information stored by the multimedia document
9 occurring between the first time and the second time corresponding to the user-selectable
10 identifier in the portions of multimedia information corresponding to the second plurality of
11 user-selectable identifiers.

12 15. A computer-implemented method of retrieving multimedia information
13 using a first paper document and a second paper document, wherein one or more user-
14 selectable identifiers are printed on the first paper document and one or more user-selectable
15 identifiers are printed on the second paper document, the method comprising:

16 receiving a signal indicating selection of a first user-selectable identifier from
17 the one or more user-selectable identifiers printed on the first paper document, and indicating
18 selection of a second user-selectable identifier from the one or more user-selectable
19 identifiers printed on the second paper document;

20 identifying a portion of multimedia information corresponding to the first
21 user-selectable identifier from multimedia information stored by a first multimedia document;

22 identifying a portion of multimedia information corresponding to the second
23 user-selectable identifier from multimedia information stored by a second multimedia
24 document; and

25 outputting the portion of multimedia information stored by the first
26 multimedia document corresponding to the first user-selectable identifier and the portion of
27 multimedia information stored by the second multimedia document corresponding to the
28 second user-selectable identifier using an output device.

29 16. The method of claim 15 wherein:

30 identifying the portion of multimedia information corresponding to the first
31 user-selectable identifier from multimedia information stored by the first multimedia
32 document comprises:

5 determining a first time and a second time associated with the first
6 user-selectable identifier; and

7 including a portion of multimedia information stored by the first
8 multimedia document occurring between the first time and the second time associated with
9 the first user-selectable identifier in the portion of multimedia information corresponding to
10 the first user-selectable identifier; and

11 identifying the portion of multimedia information corresponding to the second
12 user-selectable identifier from multimedia information stored by the second multimedia
13 document comprises:

14 determining a first time and a second time associated with the second
15 user-selectable identifier; and

16 including a portion of multimedia information stored by the second
17 multimedia document occurring between the first time and the second time associated with
18 the second user-selectable identifier in the portion of multimedia information corresponding
19 to the second user-selectable identifier.

20 17. A system for using a paper document to retrieve multimedia
21 information stored in a multimedia document in electronic form, wherein one or more user-
22 selectable identifiers are printed on the paper document, the system comprising:

23 an output device; and

24 a data processor;

25 wherein the data processor is configured to:

26 receive a first signal indicating selection of a first user-selectable
27 identifier from the one or more user-selectable identifiers printed on the paper document;
28 identify a portion of multimedia information stored by the multimedia
29 document corresponding to the first user-selectable identifier; and

30 communicate the portion of the multimedia information corresponding
31 to the first user-selectable identifier to the output device; and

32 wherein the output device is configured to output the portion of the
33 multimedia information corresponding to the first user-selectable identifier received from the
34 data processor.

35 18. The system of claim 17 wherein the first signal comprises information
36 identifying the output device.

1 19. The system of claim 17 wherein:
2 the first signal comprises information indicating a playback mode for
3 outputting the portion of the multimedia information corresponding to the first user-selectable
4 identifier; and
5 the output device is configured to output the portion of the multimedia
6 information according to the playback mode.

1 20. The system of claim 17 wherein the one or more user-selectable
2 identifiers includes barcodes printed on the paper document.

1 21. The system of claim 17 wherein in order to identify the portion of
2 multimedia information stored by the multimedia document corresponding to the first user-
3 selectable identifier, the data processor is configured to:

4 determine a first time and a second time corresponding to the first user-
5 selectable identifier; and

6 include a portion of the multimedia information stored by the multimedia
7 document occurring between the first time and the second time in the portion of multimedia
8 information corresponding to the first user-selectable identifier.

9 22. The system of claim 17 wherein in order to identify the portion of
10 multimedia information stored by the multimedia document corresponding to the first user-
11 selectable identifier, the data processor is configured to:

12 determine a first time corresponding to the first user-selectable identifier; and

13 include a portion of the multimedia information stored by the multimedia
14 document occurring from the first time in the portion of multimedia information
15 corresponding to the first user-selectable identifier.

1 23. The system of claim 17 wherein one or more control codes are printed
2 on the paper document, and the data processor is configured to:

3 receive a second signal indicating selection of a first control code from the one
4 or more control codes printed on the paper document; and

5 control the output of the portion of the multimedia information corresponding
6 to the first user-selectable identifier based upon the control code.

1 24. A system for using a paper document to access multimedia information
2 stored in a multimedia document in electronic form, wherein one or more user-selectable
3 identifiers are printed on the paper document, the system comprising:
4 a processor; and
5 a memory coupled to the processor, the memory configured to store a plurality
6 of code modules for execution by the processor, the plurality of code modules comprising:
7 a code module for selecting a first user-selectable identifier from the
8 one or more user-selectable identifiers printed on the paper document;
9 a code module for requesting multimedia information corresponding to
10 the first user-selectable identifier; and
11 a code module for outputting a portion of the multimedia information
12 stored by the multimedia document corresponding to the first user-selectable identifier using
13 an output device.

14 25. The system of claim 24 wherein:
15 the one or more user-selectable identifiers correspond to one or more barcodes
16 printed on the paper document; and
17 the code module for selecting the first user-selectable identifier comprises a
18 code module for scanning a first barcode from the one or more barcodes printed on the paper
19 document using a selection device.

20 26. The system of claim 24 wherein:
21 the first user-selectable identifier is associated with a first time and a second
22 time; and
23 the code module for outputting the portion of the multimedia information
24 corresponding to the first user-selectable identifier using the output device comprises a code
25 module for outputting a portion of the multimedia information stored by the multimedia
26 document occurring between the first time and the second time.

27 27. The system of claim 24 wherein:
28 the first user-selectable identifier is associated with a first time; and
29 the code module for outputting the portion of the multimedia information
30 corresponding to the first user-selectable identifier using the output device comprises a code

5 module for outputting a portion of the multimedia information stored by the multimedia
6 document occurring from the first time.

1 28. The system of claim 24 wherein one or more control codes are printed
2 on the paper document, the plurality of code modules further comprising:
3 a code module for selecting a first control code from the one or more control
4 codes printed on the paper document; and
5 a code module for modifying the output of the portion of the multimedia
6 information corresponding to the first user-selectable identifier based upon the control code.

1 29. A system for using a paper document to retrieve multimedia
2 information stored electronically in a multimedia document, wherein a first plurality of user-
3 selectable identifiers are printed on the paper document, the system comprising:
4 an output device; and
5 a data processor;
6 wherein the data processor is configured to:
7 receive a signal indicating selection of a second plurality of user-
8 selectable identifiers from the first plurality of user-selectable identifiers printed on the paper
9 document, wherein the second plurality of user-selectable identifiers is a subset of the first
10 plurality of user-selectable identifiers;
11 identify portions of multimedia information stored by the multimedia
12 document corresponding to the second plurality of user-selectable identifiers; and
13 communicate the portions of the multimedia information of the
14 multimedia document corresponding to the second plurality of user-selectable identifiers to
15 the output device; and
16 wherein the output device is configured to output the portions of the
17 multimedia information corresponding to the second plurality of user-selectable identifiers
18 received from the data processor.

1 30. The system of claim 29 wherein in order to identify portions of
2 multimedia information stored by the multimedia document corresponding to the second
3 plurality of user-selectable identifiers, the data processor is configured to:
4 for each user-selectable identifier in the second plurality of user-selectable
5 identifiers:

6 determine a first time and a second time corresponding to the user-
7 selectable identifier; and
8 include multimedia information stored by the multimedia document
9 occurring between the first time and the second time corresponding to the user-selectable
10 identifier in the portions of multimedia information corresponding to the second plurality of
11 user-selectable identifiers.

1 31. A system for retrieving multimedia information using a first paper
2 document and a second paper document, wherein one or more user-selectable identifiers are
3 printed on the first paper document and one or more user-selectable identifiers are printed on
4 the second paper document, the system comprising:
5 an output device; and
6 a data processor;
7 wherein the data processor is configured to:
8 receive a signal indicating selection of a first user-selectable identifier
9 from the one or more user-selectable identifiers printed on the first paper document, and
10 indicating selection of a second user-selectable identifier from the one or more user-
11 selectable identifiers printed on the second paper document;
12 identify a portion of multimedia information corresponding to the first
13 user-selectable identifier from multimedia information stored by a first multimedia document;
14 identify a portion of multimedia information corresponding to the
15 second user-selectable identifier from multimedia information stored by a second multimedia
16 document; and
17 communicate the portion of multimedia information stored by the first
18 multimedia document corresponding to the first user-selectable identifier and the portion of
19 multimedia information stored by the second multimedia document corresponding to the first
20 user-selectable identifier to the output device; and
21 wherein the output device is configured to output the portion of multimedia
22 information corresponding to the first user-selectable identifier and the portion of multimedia
23 information corresponding to the second user-selectable identifier received from the data
24 processor.

1 32. The system of claim 31 wherein:

2 the data processor identifies the portion of multimedia information
3 corresponding to the first user-selectable identifier from multimedia information stored by the
4 first multimedia document by:

5 determining a first time and a second time associated with the first
6 user-selectable identifier; and

7 including a portion of multimedia information stored by the first
8 multimedia document occurring between the first time and the second time associated with
9 the first user-selectable identifier in the portion of multimedia information corresponding to
10 the first user-selectable identifier; and

11 the data processor identifies the portion of multimedia information
12 corresponding to the second user-selectable identifier from multimedia information stored by
13 the second multimedia document by:

14 determining a first time and a second time associated with the second
15 user-selectable identifier; and

16 including a portion of multimedia information stored by the second
17 multimedia document occurring between the first time and the second time associated with
18 the second user-selectable identifier in the portion of multimedia information corresponding
19 to the second user-selectable identifier.

20 33. A computer program product stored on a computer-readable storage
21 medium for using a paper document to retrieve multimedia information stored in a
22 multimedia document in electronic form, wherein one or more user-selectable identifiers are
23 printed on the paper document, the computer program product comprising:

24 code for receiving a first signal indicating selection of a first user-selectable
25 identifier from the one or more user-selectable identifiers printed on the paper document;

26 code for identifying a portion of multimedia information stored by the
27 multimedia document corresponding to the first user-selectable identifier; and

28 code for outputting the portion of the multimedia information using an output
29 device.

30 34. The computer program product of claim 33 wherein the code for
31 identifying the portion of multimedia information stored by the multimedia document
32 corresponding to the first user-selectable identifier comprises:

code for determining a first time and a second time corresponding to the first user-selectable identifier; and

code for including a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time in the portion of multimedia information corresponding to the first user-selectable identifier.

35. The computer program product of claim 33 wherein the code for identifying the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier comprises:

code for determining a first time corresponding to the first user-selectable identifier; and

code for including a portion of the multimedia information stored by the multimedia document occurring from the first time in the portion of multimedia information corresponding to the first user-selectable identifier.

36. The computer program product of claim 33 wherein one or more control codes are printed on the paper document, the computer program product further comprising:

code for receiving a second signal indicating selection of a first control code from the one or more control codes printed on the paper document; and

code for controlling the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

37. A computer program product stored on a computer-readable storage medium for using a paper document to access multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the computer program product comprising:

code for selecting a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;

code for requesting multimedia information corresponding to the first user-selectable identifier; and

code for outputting a portion of the multimedia information stored by the multimedia document corresponding to the first user-selectable identifier using an output device.

1 38. The computer program product of claim 37 wherein:
2 the one or more user-selectable identifiers correspond to one or more barcodes
3 printed on the paper document; and
4 the code for selecting the first user-selectable identifier comprises code for
5 scanning a first barcode from the one or more barcodes printed on the paper document using
6 a selection device.

1 39. The computer program product of claim 37 wherein:
2 the first user-selectable identifier is associated with a first time and a second
3 time; and
4 the code for outputting the portion of the multimedia information
5 corresponding to the first user-selectable identifier using the output device comprises code for
6 outputting a portion of the multimedia information stored by the multimedia document
7 occurring between the first time and the second time.

1 40. The computer program product of claim 37 wherein:
2 the first user-selectable identifier is associated with a first time; and
3 the code for outputting the portion of the multimedia information
4 corresponding to the first user-selectable identifier using the output device comprises code for
5 outputting a portion of the multimedia information stored by the multimedia document
6 occurring from the first time.

1 41. The computer program product of claim 37 wherein one or more
2 control codes are printed on the paper document, the computer program product further
3 comprising:
4 code for selecting a first control code from the one or more control codes
5 printed on the paper document; and
6 code for modifying the output of the portion of the multimedia information
7 corresponding to the first user-selectable identifier based upon the control code.

1 42. A computer program product stored on a computer-readable storage
2 medium for using a paper document to retrieve multimedia information stored electronically
3 in a multimedia document, wherein a first plurality of user-selectable identifiers are printed
4 on the paper document, the computer program product comprising:

5 code for receiving a signal indicating selection of a second plurality of user-
6 selectable identifiers from the first plurality of user-selectable identifiers printed on the paper
7 document, wherein the second plurality of user-selectable identifiers is a subset of the first
8 plurality of user-selectable identifiers;
9 code for responsive to receiving the first signal, identifying portions of
10 multimedia information stored by the multimedia document corresponding to the second
11 plurality of user-selectable identifiers; and
12 code for outputting the portions of the multimedia information corresponding
13 to the second plurality of user-selectable identifiers using an output device.

1 43. The computer program product of claim 42 wherein the code for
2 identifying portions of multimedia information stored by the multimedia document
3 corresponding to the second plurality of user-selectable identifiers comprises:
4 for each user-selectable identifier in the second plurality of user-selectable
5 identifiers:
6 code for determining a first time and a second time corresponding to
7 the user-selectable identifier; and
8 code for including multimedia information stored by the multimedia
9 document occurring between the first time and the second time corresponding to the user-
10 selectable identifier in the portions of multimedia information corresponding to the second
11 plurality of user-selectable identifiers.

1 44. A computer program product stored on a computer-readable storage
2 medium for retrieving multimedia information using a first paper document and a second
3 paper document, wherein one or more user-selectable identifiers are printed on the first paper
4 document and one or more user-selectable identifiers are printed on the second paper
5 document, the computer program product comprising:
6 code for receiving a signal indicating selection of a first user-selectable
7 identifier from the one or more user-selectable identifiers printed on the first paper document,
8 and indicating selection of a second user-selectable identifier from the one or more user-
9 selectable identifiers printed on the second paper document;
10 code for identifying a portion of multimedia information corresponding to the
11 first user-selectable identifier from multimedia information stored by a first multimedia
12 document;

code for identifying a portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by a second multimedia document; and

code for outputting the portion of multimedia information stored by the first multimedia document corresponding to the first user-selectable identifier and the portion of multimedia information stored by the second multimedia document corresponding to the second user-selectable identifier using an output device.

45. The computer program product of claim 44 wherein:

the code for identifying the portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by the first multimedia document comprises:

code for determining a first time and a second time associated with the first user-selectable identifier; and

code for including a portion of multimedia information stored by the first multimedia document occurring between the first time and the second time associated with the first user-selectable identifier in the portion of multimedia information corresponding to the first user-selectable identifier; and

the code for identifying the portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by the second multimedia document comprises:

code for determining a first time and a second time associated with the second user-selectable identifier; and

code for including a portion of multimedia information stored by the second multimedia document occurring between the first time and the second time associated with the second user-selectable identifier in the portion of multimedia information corresponding to the second user-selectable identifier.